

95	<b>PROCESS OF MODIFYING OR MAINTAINING INTERNAL PHYSICAL STRUCTURE (I.E., MICROSTRUCTURE) OR CHEMICAL PROPERTIES OF METAL, PROCESS OF REACTIVE COATING OF METAL AND PROCESS OF CHEMICAL-HEAT REMOVING (E.G., FLAME-CUTTING, ETC.) OR BURNING OF METAL</b>	203	...Simultaneous removing or burning of multiple sides of workpiece
96	.Superconductive metal or alloy (i.e., superconductive Tc at or below 30°K)	204	..Flame piercing
97	..Particle (e.g., ion, neutron, etc.) bombardment or electromagnetic wave energy (e.g., laser, etc.)	205	..Plural nozzles or plural work-contacting jets
98	..Producing or treating an A3B (e.g., Nb <sub>3</sub> Sn, V <sub>3</sub> Ga, Nb <sub>3</sub> Al, etc.) superconducting alloy	206	.Carburizing or nitriding using externally supplied carbon or nitrogen source
99	.Treating in extraterrestrial environment (e.g., space, moon, etc.) or zero gravity environment	207	..Carburizing or nitriding uniformly throughout the entire mass (i.e., internal carburizing)
100	.Magnetic materials	208	..With decarburizing or denitriding
101	..Permanent magnet	209	..Utilizing particulate fluid bed
102	...Age hardening	210	..Of selected surface area (e.g., zone, top only, etc.)
103	...Treatment in a magnetic field	211	...With working, machining, or cutting
104	..Dust cores	212	...Nitriding
105	..Particulate material	213	...Utilizing attached protective shield, mask or coating
108	..Treatment in a magnetic field	214	....With noncarburizing or non-nitriding coating
110	..Silicon steel	215	..Measuring, sensing, or testing
111	...Working	216	...Of gas composition (e.g., carbon content, etc.)
112	...Heat treatment	217	..With noncarburizing or non-nitriding reactive coating (e.g., oxidizing, siliconizing, boronizing, etc.)
113	....With special compositions	218	..Combined carburizing and nitriding (e.g., carbonitriding, nitrocarburizing, etc.)
120	..Working	219	...With working, machining, cutting, or post-carburizing and post-nitriding heating or quenching
121	..Heat treatment	220	..With producing or treating of workpiece having plural noncarburized or non-nitrided layers or mechanically engaged article or stock
122	...With special compositions	221	..With casting or solidifying from melt
194	.Chemical-heat removing (e.g., flame-cutting, etc.) or burning of metal	222	..Utilizing ionized gas (e.g., plasma, etc.) or electron arc or beam
195	..Control responsive to sensed condition of workpiece	223	..Including use of vacuum
196	..Program or pattern control		
197	..Utilizing fluid contact other than flame		
198	..With solid additive		
199	...Metal powder		
200	..Of edge or corner (e.g., deburring, etc.)		
201	..Cylindrical workpiece		
202	..Scarfing (e.g., desurfacing, planing, gouging, etc.)		

224	Utilizing wave energy (e.g., laser, etc.) or electric heating with work as conductor	248	...Contains nonreactive organic liquid at ambient temperature (e.g., solvent, etc.)
225	Iron(Fe) or iron base alloy	249	....Nonreactive halogenated hydrocarbon
226	...With working, machining, or cutting	250	...Contains organic phosphorus or organic chromium compound
227	...Utilizing fused agent or media	251	...Contains solid synthetic polymer
228	....Nitriding	252	...Contains dicarboxylic acid or salt thereof which reacts with metal substrate
229	....With post-carburizing quenching	253	...Contains phosphorus
230	....Nitriding	254	....Liquid composition applied prior to reaction of metal substrate with phosphorus (e.g., cleaning, activating, etc.)
231	....Utilizing nitrogen containing agent other than ammonia or elemental nitrogen	255	....With additional coating composition containing an atom of chromium, phosphorus or sulfur
232	....With post-nitriding heat or quenching	256	....Specified liquid or gaseous coating composition applied after reaction with phosphorus
233	....With post-carburizing heating or quenching	257	.....Specified coating composition contains organic material
234	....Utilizing agent containing cyano (CN) radical or halogen (X) radical or metal carbonate	258	....Contains an atom of chromium
235	....Utilizing hydrocarbon, oil or oxygenated hydrocarbon (e.g., alcohol, furan, carbohydrate, etc.)	259	....Contains organic additive other than for pH control
236	....Utilizing solid carbonaceous material containing free carbon, coal, peat, or coke	260	.....Nitrogen-containing organic compound
237	Refractory metal (i.e., Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W) or refractory base alloy	261	....Contains an atom of arsenic, boron or metal atom other than alkali metal
238	Nitriding	262	.....Contains an atom of iron or manganese or a group II metal atom (Be, Ca, Sr, Ba, Zn, Cd, Hg)
239	With ion implantation	263	.....Contains an atom of calcium
240	Processes of coating utilizing a reactive composition which reacts with metal substrate or composition therefore	264	...Contains an atom of chromium
241	Testing or electrical or wave energy utilized	265	....Post chromium treatment with specified material (other than mere air drying)
242	Molten bath or molten surface utilized during reaction	266	....Contains an atom of sulfur, selenium or tellurium
243	Liquid reactive coating composition utilized	267	....Contains trivalent chromium ion or reducing agent or an organic additive
244	Dye or organic pigment containing	268	....Contains an atom or boron, silicon or metal atom other than alkali metal
245	Electrically insulating coating formed which is more than mere oxide formation		
246	Contains lubricant or oil or overcoat thereof		
247	Contains an atom of hafnium, titanium or zirconium (excludes activating composition)		

269	...Metal substrate contains elemental Ti, Zr, Hf, Cu, Ta, or Th or alloy thereof	505	.Utilizing therein factors or percentages related to metal or metal alloy composition (i.e., including carbon content)
270	...Contains an atom of sulfur, selenium or tellurium	506	...With chromium(Cr) in the mathematical relationship
271	....Contains organic sulfur compound	507	...With titanium(Ti) in the mathematical relationship
272	...Coating or treating a metal oxide with a specified composition	508	.With measuring, testing, or sensing
273	...Contains an atom of arsenic or metal atom other than alkali metal	509	.Magnetic or electrical property
274	...Contains organic material	510	..Change in dimension (e.g., expansion, elongation, distortion, etc.)
275	...Metal substrate contains elemental aluminum or magnesium or alloy thereof	511	..Temperature
276	..Coating during or after metal oxide formation	512	.Surface melting (e.g., melt alloying, etc.)
277	..Metal oxide formed after applied coating	513	.Treating loose metal powder, particle or flake
278	..Carbide formation, decarburization or carbonizing	514	.Treating consolidated metal powder, per se (i.e., no sintering or compacting step present)
279	..Contains an atom of boron or silicon that reacts with metal substrate	515	.With explosive or exothermic agent
280	..Reactive material applied nonuniformly or reacted selectively	516	.Producing or treating layered, bonded, welded, or mechanically engaged article or stock as a final product
281	..Metal substrate contains elemental Ti, Zr, Nb, Ag, Ta, or W or alloy thereof	517	..Subambient temperature
282	..Metal substrate contains elemental copper or alloy thereof	518	..With electrocoating (e.g., electroplating, anodizing, sputtering, etc.)
283	..Contains an atom of halogen, organic material or gaseous sulfur	519	..Pipe or tube
284	..Coating composition applied forms oxide coating	520	...With induction heating
285	...Oxide of aluminum, beryllium or magnesium formed	521	...With metal fusion bonding
286	...Oxide of cobalt, chromium or nickel formed	522	..With casting or solidifying from melt
287	...Oxide of iron formed	523	...Of aluminum(Al) or aluminum alloy
500	.Utilizing disclosed mathematical formula or relationship	524	..With metal fusion bonding step utilizing electron arc or beam
501	..Nonferrous metal, nonferrous based alloy or no-base alloy	525	..Utilizing wave energy (e.g., laser, electromagnetic wave energy, etc.), plasma or electron arc or beam
502	...Aluminum(Al) or aluminum base alloy	526	.Electric heating with work as electrical conductor (e.g., alternating current, induction, etc.)
503	..Utilizing therein symbol for temperature	527	..With metal next to or bonded to metal
504	...With working step	528	...With brazing or soldering

529	...Iron(Fe) or iron base alloy present	559	.Heating or cooling of solid metal
530	....Next to nonferrous metal or nonferrous base alloy	560	..Actinide or trans-actinide metal or alloy having greater than 50 percent actinide or trans-actinide metals
531	.....Aluminum(Al) or aluminum base alloy		..Passing through an amorphous state or treating or producing an amorphous metal or alloy
532	.....Copper(Cu) or copper base alloy	561	..Treating single crystal
533	.....Zinc(Zn), zinc base alloy or unspecified galvanizing	562	..Mechanical memory (e.g., shape memory, heat-recoverable, etc.)
534	....With working	563	..Superplastic (e.g., dynamic recrystallization, etc.)
535	...Aluminum(Al) or aluminum base alloy present		..Utilizing wave energy (e.g., laser, electromagnetic, etc.) plasma or electron arc or beam
536	...Copper(Cu) or copper base alloy	564	..Electric heating with work as conductor (e.g., alternating current, induction, etc.)
537	..With coating step	565	...Induction
538	.With casting or solidifying from melt		....Wire or filament
539	..Centrifugal casting	566	....Railway stock (e.g., rails, wheels, axles, etc.)
540	..Iron(Fe) or iron base alloy		....Of hollow bodies (e.g., pipe, sphere, etc.)
541	...Continuous casting		.....Inside only
542	...Containing at least nine percent chromium(Cr) (e.g., stainless steel, etc.)	567	....Rod, axle, shaft, or roller
		568	....Gear, threaded article, drill or serrated work surface (e.g., saw blade, etc.)
543	...Containing at least 1.5 percent carbon	569	....And cooling with fluid contact
544	....With working	570	.....Iron(Fe) or iron base alloy
545	....With tempering, ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening, or quenching	571	...Wire or filament
		572	..Chilling to subambient temperature
546	...With working	573	...Iron(Fe) or iron base alloy
547	....With tempering, ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening, or quenching	574	..Iron(Fe) or iron base alloy
		575	...Spring or spring material
548	...With tempering, ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening, or quenching	576	....Railway stock (e.g., rails, wheels, axles, etc.)
		577	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum
549	...Aluminum(Al) or aluminum base alloy	578	....Wheel
550	...With extruding or drawing	579	....With working
551	...Continuous casting	580	....With work handling
552	...With working	581	...Gear
553	...Copper(Cu) or copper base alloy	582	...Threaded article (e.g., screws, drill bits, etc.)
554	...With working	583	
555	..Nickel(Ni) or nickel base alloy	584	
556	...With working	585	
557	..With working	586	
558	.With vibration (e.g., mechanical, sound, etc.)	587	

588	...Serrated work surface (e.g., saw blades, etc.)	611	....Austenitic phase structure
589	...Ring	612	....Starting material contains 1.7 percent or more carbon (e.g., cast iron, etc.)
590	...Pipe or tube		....Decarburizing
591	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum	613	....Starting material is spherulitic (i.e., spheroidal) or vermicular (i.e., wormlike)
		614	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum
592	....Nine percent or more chromium(Cr) (e.g., stainless steel, etc.)	615	....Treating or producing white or malleable cast iron
593	....With working	616	....Producing malleable cast iron
594	....With work handling	617	.....With spheroidal graphite production
595	...Wire, rod, or filament	618	...Containing 10 percent or more manganese(Mn) (e.g., Hadfield steel, etc.)
596	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum	619	....With working
597	....Nine percent or more chromium(Cr) (e.g., stainless steel, etc.)	620	....Highly alloyed (i.e., greater than 10 percent alloying elements)
598	....With working	621	...Ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
599	....With working at or below 120°C or unspecified cold working	622	....Overageing
600	....With work handling	623	....With working
601	...With coiling or treating of coiled strip	624	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum
602	....With working	625	....With preserving, recovering, separately treating or handling of the specified treating agent
603	....With working at or below 120°C or unspecified cold working	626	....With localized or zone heating or cooling
604	...Of stacked plural workpieces	627	....Using vacuum
605	...Nine percent or more chromium(Cr) (e.g., Stainless steel, etc.)	628	....Decarburizing or denitriding
606	....Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum	629	....Utilizing particulate fluid bed
607	....Ageing, solution treating (i.e., for hardening), precipitation strengthening or precipitation hardening	630	....Fused treating agent
608	....With working	631	....With working
609	....With working	632	....Gaseous agent
610	....With working at or below 120°C or unspecified cold working	633	....Hydrogen
		634	....With working
		635	....Liquid agent
		636	

637	.....And cooling or quenching	668	..Refractory metal (i.e., titanium(Ti), zirconium(Zr), hafnium(Hf), vanadium(V), niobium(Nb), columbium(Cb), tantalum(Ta), chromium(Cr), molybdenum(Mo), tungsten(W)), or alloy base thereof
638	.....Treating composition contains water		
639	...Localized or zone heating or cooling		
640	....Utilizing protective or insulating shielding from heat		
641	....Simultaneous heating and cooling treatment	669	....Titanium(Ti) or titanium base alloy
642	....Heating with flame treatment	670	....With working
643	....With working	671	....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
644	....Cooling		...Zirconium(Zr) or zirconium base alloy
645	...With flattening, straightening, or tensioning by external force	672	...Tungsten(W) or tungsten base alloy
646	...With restraining of metal from expanding or contracting during heating or cooling	673	..Cobalt(Co) or cobalt base alloy
647	....Die quenching	674	..Nickel(Ni) or nickel base alloy
648	....With working	675	...With working
649	....Forging	676	....With ageing, solution treating, (i.e., for hardening), precipitation hardening or strengthening
650	....With working at or below 120°C or unspecified cold working	677	.Noble metals (i.e., silver(Ag), gold(Au), osmium(Os), iridium(Ir), platinum(Pt), ruthenium(Ru), rhodium(Rh), palladium(Pd)) or alloy base thereof
651	.....Heating step follows cold working	678	..Copper(Cu) or copper base alloy
652	.....Separate cooling step follows cold working step		...With working above 400°C or unspecified hot working
653	....With additional nonworking heating step		....Multiple working steps
654	....Including cooling (e.g., quenching, etc.)	679	....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
655	...With separate handling or treating of air, water, or unspecified fluid treating media	680	....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
656	...Work handling		...With working
657	....Continuous strip or sheet		....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
658	....During cooling step		....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
659	...Including spheroidizing	683	...With working
660	....Including cooling (e.g., quenching, etc.)		....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
661	....Strip, sheet, or plate	684	....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
662	....Heating step follows cooling	685	...With working
663	....Tempering		....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
664	....Multiple cooling steps		....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
665	..Beryllium(Be) or beryllium base alloy		...With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening
666	..Magnesium(Mg) or magnesium base alloy	686	
667	...With working		

687	...Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent or denitriding agent, etc.) or vacuum	709	...With preserving, recovering or separately handling or treating of the agent
688	..Aluminum(Al) or aluminum base alloy	710	...Utilizing particulate form in fluid bed
689	...With extruding or drawing	711	...In fused state
690	....And ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening	712	...In gaseous state
691	...With working above 400°C or nonspecified hot working	713	...In liquid state
692	....Multiple working steps	714	..Localized or zone heating or cooling treatment
693	.....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening	22	<b>COMPOSITIONS</b>
694	....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening	23	.Fluxing
695	...With working	24	..Metallic
696	....Multiple working steps	25	..Oleaginous
697	.....With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening	26	..Inorganic
698	...With ageing, solution treating (i.e., for hardening), precipitation hardening or strengthening	27	.Heat treating
699	....Copper(Cu) containing	28	..Liquid
700	.....Magnesium(Mg) containing	29	...Oleaginous
701	.....Zinc(Zn) containing	30	..Carbonaceous
702	....Magnesium(Mg) containing	33	<b>BARRIER LAYER STOCK MATERIAL, P-N TYPE</b>
703	...Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum	33.1	.With contiguous layer doped to degeneracy
704	....In fused state	33.2	.With recess, void, dislocation, grain boundaries or channel openings
705	..Zinc(Zn) or zinc base alloy	33.3	.With non-semiconductive coating thereon
706	..Lead(Pb) or lead base alloy	33.4	.With contiguous layers of different semiconductive material
707	..Over 50 percent metal, but no base	33.5	.Having at least three contiguous layers of semiconductive material
708	..Treating with specified agent (e.g., heat exchange agent, protective agent, decarburizing agent, denitriding agent, etc.) or vacuum	33.6	..Including an alloy layer having named impurities
		400	<b>STOCK</b>
		401	.Radioactive
		300	.Magnetic
		301	..Rare earth and transition metal containing
		302	...Boron containing
		303	...Copper containing
		304	..Amorphous
		305	...With inclusion
		306	..Iron base (i.e., ferrous)
		307	...Silicon containing
		308	....Specific crystallographic orientation
		309	....Containing over 1 percent aluminium
		310	...Nickel containing
		311	...Cobalt containing
		312	..Nickel base
		313	..Cobalt base

314	..Manganese base	418	.....Vanadium, niobium or tantalum containing
315	..No single metal over 50 percent	419	..Containing over 50 percent metal, but no base metal
316	.Carburized or nitrided	420	.Magnesium base
317	..Nitrided	421	.Titanium, zirconium, or hafnium base
318	...Ferrous (i.e., iron base)	422	.Vanadium, niobium, or tantalum base
319	..Ferrous (i.e., iron base)	423	.Chromium, molybdenum, or tungsten base
402	.Mechanical memory	424	.Manganese base
403	.Amorphous, i.e., glassy	425	.Cobalt base
404	.Directionally solidified	426	.Nickel base
320	.Ferrous (i.e., iron base)	427	..Chromium containing
321	..1.7 percent or more carbon containing (e.g., cast iron)	428	...Aluminum containing
322	...Malleabilized	429	..Aluminum containing
323	...Chill cast	430	.Noble metal base
324	...Six percent or more group IV, V or VI transition metal containing	431	..Silver base containing in situ formed oxides
325	..Nine percent or more chromium containing	432	.Copper base
326	...Age or precipitation hardened or strengthened	433	..Tin containing
327	...Eight percent or more total content of nickel and/or manganese containing	434	..Zinc containing
328	..Age or precipitation hardened or strengthened	435	..Nickel containing
329	..Eight percent or more manganese containing	436	..Aluminum containing
330	..Beryllium or boron containing	437	.Aluminum base
331	..Rare earth metal containing	438	..Copper containing
332	..Copper containing	439	...Magnesium containing
333	..Chromium containing, but less than 9 percent	440	..Magnesium containing
334	...Molybdenum containing	441	.Zinc base
335	....Nickel containing	442	Containing over 50 per cent metal, but no base metal
336	..Nickel containing		
337	..Three percent or more manganese containing or containing other transition metal in any amount		
405	.Age or precipitation hardened or strengthened	900	<b>ION IMPLANTED</b>
406	..Magnesium base	901	<b>SURFACE DEPLETED IN AN ALLOY</b>
407	..Refractory metal base	902	<b>COMPONENT (E.G., DECARBURIZED)</b>
408	..Cobalt base	903	<b>HAVING PORTIONS OF DIFFERING</b>
409	..Nickel base		<b>METALLURGICAL PROPERTIES OR</b>
410	...Chromium containing		<b>CHARACTERISTICS</b>
411	..Copper base	904	.Directly treated with high energy electromagnetic waves or particles (e.g., laser, electron beam)
412	...Tin containing	905	.Crankshaft
413	...Zinc containing	906	.Cutting tool
414	...Nickel containing	907	.Roller bearing element
415	..Aluminum base	908	.Threaded or headed fastener
416	...Copper containing	909	.Spring
417	....Magnesium containing		.Tube

**CROSS-REFERENCE ART COLLECTIONS**

900	<b>ION IMPLANTED</b>
901	<b>SURFACE DEPLETED IN AN ALLOY</b>
902	<b>COMPONENT (E.G., DECARBURIZED)</b>
903	<b>HAVING PORTIONS OF DIFFERING</b>
	<b>METALLURGICAL PROPERTIES OR</b>
	<b>CHARACTERISTICS</b>
904	.Directly treated with high energy electromagnetic waves or particles (e.g., laser, electron beam)
905	.Crankshaft
906	.Cutting tool
907	.Roller bearing element
908	.Threaded or headed fastener
909	.Spring
	.Tube

910	. In pattern discontinuous in two dimensions (e.g., checkerboard pattern)	DIG 38	DIFFUSIONS-STAGED
		DIG 39	DISPLACE P-N JUNCTION
		DIG 40	DOPANTS, SPECIAL
		DIG 41	DOPING CONTROL IN CRYSTAL GROWTH
		DIG 42	DOPING, GRADED, FOR TAPERED ETCHING
		DIG 43	DUAL DIELECTRIC
		DIG 44	EDGE DIFFUSION UNDER MASK
FOR	CLASS-RELATED FOREIGN DOCUMENTS	DIG 45	ELECTRIC FIELD
		DIG 46	ELECTRON BEAM TREATMENT OF DEVICES
		DIG 47	EMITTER DIP
		DIG 48	ENERGY BEAM ASSISTED EPI GROWTH
		DIG 49	EQUIVALENCE AND OPTIONS
		DIG 50	ETCH AND REFILL
		DIG 51	ETCHING
		DIG 52	FACE TO FACE DEPOSITION
		DIG 53	FIELD EFFECT TRANSISTORS FETS
		DIG 54	FLAT SHEETS-SUBSTRATES
		DIG 55	FUSE
		DIG 56	GALLIUM ARSENIDE
		DIG 57	GAS FLOW CONTROL
		DIG 58	GE GERMANIUM
		DIG 59	GERMANIUM ON SILICON OR GE-SI ON III-V
		DIG 60	GETTERING
		DIG 61	GETTERING-ARMORPHOUS LAYERS
		DIG 62	GOLD DIFFUSION
		DIG 63	GP II-IV-VI COMPOUNDS
		DIG 64	GP II-VI COMPOUNDS
		DIG 65	GP III-V (GENERIC) COMPOUNDS- PROCESSING
		DIG 66	GP III-V LIQUID PHASE EPITAXY
		DIG 67	GRADED ENERGY GAP
		DIG 68	GRAPHITE MASKING
		DIG 69	GREEN SHEETS
		DIG 70	GUARD RINGS AND CMOS
		DIG 71	HEATING, SELECTIVE
		DIG 72	HETEROJUNCTIONS
		DIG 73	HOLLOW BODY
		DIG 74	HORIZONTAL MELT SOLIDIFICATION
		DIG 75	IMIDE RESISTS
		DIG 76	IMPLANT
		DIG 77	IMPLANTATION OF SILICON ON SAPPHIRE
		DIG 78	IMPURITY REDISTRIBUTION BY OXIDATION
		DIG 79	INERT CARRIER GAS
		DIG 80	INFRA-RED
		DIG 81	INSULATORS
		DIG 82	ION IMPLANTATION FETS/COMS
		DIG 83	ION IMPLANTATION, GENERAL
		DIG 84	ION IMPLANTATION OF COMPOUND DEVICES
		DIG 37	DIFFUSION-DEPOSITION

DIG 85 ISOLATED-INTEGRATED  
 DIG 86 ISOLATED ZONES  
 DIG 87 I2L INTEGRATED INJECTION LOGIC  
 DIG 88 J-FET (JUNCTION FIELD EFFECT  
     TRANSISTOR)  
 DIG 89 JOSEPHSON DEVICES  
 DIG 90 LASER ANNEAL  
 DIG 91 LASER BEAM PROCESSING OF FETS  
 DIG 92 LASER BEAM PROCESSING-DIODES OR  
     TRANSISTOR  
 DIG 93 LASER BEAM TREATMENT IN GENERAL  
 DIG 94 LASER BEAM TREATMENT OF COMPOUND  
     DEVICES  
 DIG 95 LASER DEVICES  
 DIG 96 LATERAL TRANSISTOR  
 DIG 97 LATTICE STRAIN AND DEFECTS  
 DIG 98 LAYER CONVERSION  
 DIG 99 LED, MULTICOLOR  
 DIG 100 LIFT-OFF MASKING  
 DIG 101 LIQUID PHASE EPITAXY LPE  
 DIG 102 MASK ALIGNMENT  
 DIG 103 MASK, DUAL FUNCTION E.G.,  
     DIFFUSION AND OXIDATION  
 DIG 104 MASK, MOVABLE  
 DIG 105 MASKS, METAL  
 DIG 106 MASKS, SPECIAL  
 DIG 107 MELT  
 DIG 108 MELT BACK  
 DIG 109 MEMORY DEVICES  
 DIG 110 METAL-ORGANIC CVD (RUEHRWEIN  
     TYPE)  
 DIG 111 NARROW MASKING  
 DIG 112 NITRIDATION, DIRECT, OF SILICON  
 DIG 113 NITRIDES OF BORON OR ALUMINUM OR  
     GALLIUM  
 DIG 114 NITRIDES OF SILICON  
 DIG 115 ORIENTATION  
 DIG 116 OXIDATION, DIFFERENTIAL  
 DIG 117 OXIDATION, SELECTIVE  
 DIG 118 OXIDE FILMS  
 DIG 119 PHOSPHIDES OF GALLIUM OR INDIUM  
 DIG 120 PHOTOCATHODES-CS COATED AND SOLAR  
     CELL  
 DIG 121 PLASTIC TEMPERATURE  
 DIG 122 POLYCRYSTALLINE  
 DIG 123 POLYCRYSTALLINE DIFFUSE ANNEAL  
 DIG 124 POLYCRYSTALLINE Emitter  
 DIG 125 POLYCRYSTALLINE PASSIVATION  
 DIG 126 POWER FETS  
 DIG 127 PROCESS INDUCED DEFECTS  
 DIG 128 PROTON BOMBARDMENT OF SILICON  
 DIG 129 PULSE DOPING  
 DIG 130 PURIFICATION  
 DIG 131 REACTIVE ION ETCHING RIE  
 DIG 132 RECOIL IMPLANTATION  
 DIG 133 REFLow OXIDES AND GLASSES  
 DIG 134 REMELT  
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